

Converting Colors

CIELCh(36, 55.857, 328.684)

Have a look what the booklet for
CIELCh(36, 55.857, 328.684)
contains.

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Color

CIELCh(36, 55.705, 328.588)

Conversions

Conversions Part 1

Format	Color
Hex	873184
RGB	135, 49, 132
RGB Percent	53%, 19%, 52%
CMY	0.4707, 0.8079, 0.4825
CMYK	0.00, 0.64, 0.02, 0.47
HSL	302°, 47%, 36%
HSV	302°, 64%, 53%
XYZ	15.2474, 9.0082, 22.7557
YIQ	84.1760, 24.6130, 44.0450

Conversions

Conversions Part 2

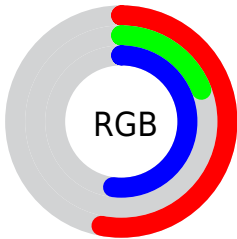
Format	Color
RYB	135, 49, 132
Decimal	8860036
CIELab	36.00, 47.54, -29.03
CIElCh	36, 55.705, 328.588
Yxy	9.0082, 0.3243, 0.1916
Android (android.graphics.Color)	4287050116 (0xFF873184)
YUV	84.1760, 23.5772, 44.5726
Hunter-Lab	30.0136, 38.1572, -23.9430

Details

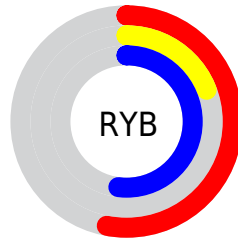
The CIELCh color **36, 55.705, 328.588** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **50, 56.500, 139.877**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 55.816, 328.905**, and **17, 50.688, 328.233** is the 20% darker color. If you saturate the color by 10%, you get **34, 61.704, 328.955**, and if you desaturate by 10%, it is **38, 48.405, 328.163**.

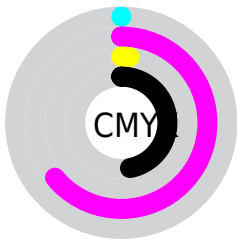
Distribution



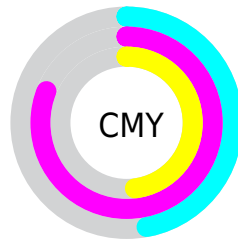
- Red (53%)
- Green (19%)
- Blue (52%)



- Red (53%)
- Yellow (19%)
- Blue (52%)



- Cyan (0%)
- Magenta (64%)
- Yellow (2%)
- Black (47%)





- Cyan (47%)
- Magenta (81%)
- Yellow (48%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 55.705, 328.588 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 36, 55.705, 328.588 by changing the saturation by 10% instead.


 36, 55.705,
328.588


 36, 55.705,
328.588

 100, 55.705,
328.588


 26, 55.705,
328.588

 56, 55.705,
328.588


 16, 55.705,
328.588


 66, 55.705,
328.588

 6, 55.705, 328.588

 76, 55.705,
328.588

 0, 55.705, 328.588

 86, 55.705,
328.588

 96, 55.705,
328.588

■ 36, 55.705,
328.588

■ 36, 55.705,
328.588

■ 34, 61.704,
328.955

■ 38, 48.405,
328.163

■ 33, 66.123,
329.257

■ 41, 40.154,
327.690

■ 32, 68.836,
329.495

■ 44, 31.281,
327.182

■ 31, 70.143,
329.630

■ 48, 22.069,
326.650

■ 51, 12.733,
326.106

■ 55, 3.430, 325.526

■ 59, 5.735, 145.090

■ 63, 14.696,
144.554

■ 66, 23.416,
144.055

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36, 55.705, 328.588



50, 56.500, 139.877

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36, 55.705, 328.588



36, 55.705, 18.588



36, 55.705, 148.588



36, 55.705, 198.588

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



36, 55.703, 328.588



63, 21.947, 326.418



26, 55.606, 300.594



32, 15.229, 326.555



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36, 55.703, 328.588



44, 77.329, 329.083



34, 41.153, 353.206



26, 5.149, 325.850



30, 68.290, 329.624



0, 1.226, 325.382

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36, 55.703, 328.588



44, 77.329, 329.083



50, 38.390, 158.389



26, 5.149, 325.850



30, 68.290, 329.624



0, 1.226, 325.382

Previews

White Background



This preview shows how the CIELCh color 36, 55.705, 328.588 looks on a white background.

Color Contrast Check

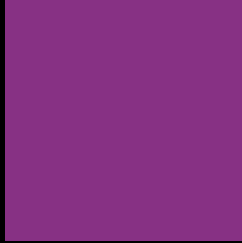
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 36, 55.705, 328.588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

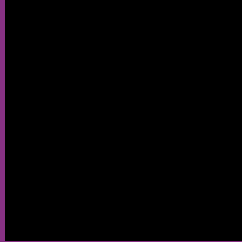
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 55.705, 328.588

Background



This preview shows how black text looks on a background with the CIELCh color 36, 55.705, 328.588.



This preview shows how white text looks on a background with the CIELCh color 36, 55.705, 328.588.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36, 55.705, 328.588

Protanopia

37, 49.623, 286.702

Deuteranopia

36, 25.744, 281.718



Tritanopia
36, 28.138, 18.266

Trichromacy



Original Color
36, 55.705, 328.588

Protanomaly
35, 50.416, 299.087

Deuteranomaly
35, 35.689, 306.660

Tritanomaly
36, 35.107, 350.695

Monochromacy



Original Color
36, 55.705, 328.588

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 22.700, 327.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 55.705, 328.588 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 49, 132)` looks like.

```
.text, #text, p{  
    color:rgb(135, 49, 132)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 49, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 49, 132) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 55.705, 328.588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 49, 132) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 49, 132) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 49, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 49, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 49, 132);  
box-shadow:4px 4px 4px 4px rgb(135, 49,  
132) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 55.705, 328.588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 49, 132) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135, 49,  
132) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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